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What is claimed is:

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- 1. A plasma display apparatus including:
  - (A) a panel section including:
- (A-1) a first board having a plurality of scanning electrodes and sustain electrodes in pairs; and
  - (A-2) a second board having data electrodes which cross the scanning electrodes and the sustain electrodes, and faced the first board; and
  - (B) a driver for outputting a driving voltage for driving the panel section,
- the plasma display apparatus comprising:
  - (a) a sustaining period when a sustaining pulse is alternately applied to the scanning electrodes and the sustain electrodes for keeping discharge; and
  - (b) an erasing period when a ramp voltage pulse whose polarity differs from polarity of the sustaining pulse is applied to an electrode, which differs from an electrode where a last pulse of the sustaining pulse is applied.
    - 2. The plasma display apparatus of claim 1,

wherein the last pulse of the sustaining pulse is positive, and

a minimum voltage Vnr of the ramp voltage pulse, which is applied in the erasing period, has a following relation for a discharge-starting voltage Vf1 between an electrode where the ramp voltage pulse is applied and one of the data electrodes.

$$-(Vf\ 1-60) \le Vnr \le -30$$
 (V of units)

- 25 3. A plasma display apparatus including:
  - (A) a panel section including:
    - (A-1) a first board having a plurality of scanning electrodes and

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sustain electrodes in pairs; and

(A-2) a second board having data electrodes which cross the scanning electrodes and the sustain electrodes, and faced the first board; and

(B) a driver for outputting a driving voltage for driving the panel section,

the plasma display apparatus comprising:

a sustaining period when a sustaining pulse is alternately applied to the scanning electrodes and the sustain electrodes for keeping discharge,

wherein a voltage Vsh of a last pulse of the sustaining pulse has a following relation for a voltage Vst of the sustaining pulse before the last pulse and a discharge-starting voltage Vf2 between one of the scanning electrodes and one of the sustain electrodes.

$$Vst \leq Vsh \langle Vf 2 \rangle$$

4. The plasma display apparatus of claim 3,

wherein the voltage Vsh of the last pulse of the sustaining pulse has a following relation for the discharge-starting voltage Vf2 between the scanning electrode and the sustain electrode.

$$(Vf 2 - 50) \le Vsh \left( (Vf 2 - 30) \right)$$
 (V of units)

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- 5. A plasma display apparatus including:
  - (A) a panel section including:
- (A-1) a first board having a plurality of scanning electrodes and sustain electrodes in pairs; and
- (A-2) a second board having data electrodes which cross the scanning electrodes and the sustain electrodes, and faced the first board; and
  - (B) a driver for outputting a driving voltage for driving the panel

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section,

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the plasma display apparatus comprising:

a sustaining period when a sustaining pulse is alternately applied to the scanning electrodes and the sustain electrodes for keeping discharge,

wherein a pulse width ts2 of a last pulse of the sustaining pulse is wider than a pulse width ts1 of the sustaining pulse before the last pulse.

6. The plasma display apparatus of claim 5,

wherein the pulse width ts2 of the last pulse of the sustaining pulse has a following relation for the pulse width ts1 of the sustaining pulse before the last pulse.

$$(ts1 + 2) \le ts2 \le 20$$
 (µs of units)

7. The plasma display apparatus of claim 3 further comprising: an erasing period after the sustaining period,

wherein the erasing period is a period when a ramp voltage pulse whose polarity differs from polarity of the last pulse of the sustaining pulse in the sustaining period is applied to an electrode, which differs from an electrode where the last pulse of the sustaining pulse is applied.

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8. The plasma display apparatus of claim 5 further comprising: an erasing period after the sustaining period,

wherein the erasing period is a period when a ramp voltage pulse whose polarity differs from polarity of the last pulse of the sustaining pulse in the sustaining period is applied to an electrode, which differs from an electrode where the last pulse of the sustaining pulse is applied. P30951 - 20 -

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9. The plasma display apparatus of claim 1,

wherein a slope of the ramp voltage pulse in the erasing period ranges from  $0.5~\text{V/}\mu\text{s}$  to  $20~\text{V/}\mu\text{s}$ .

10. The plasma display apparatus of claim 3 further comprising:

an erasing period when a ramp voltage pulse whose polarity differs from polarity of the sustaining pulse is applied to an electrode, which differs from an electrode where the last pulse of the sustaining pulse is applied,

wherein a slope of the ramp voltage pulse in the erasing period ranges from 0.5 V/ $\mu$ s to 20 V/ $\mu$ s.

11. The plasma display apparatus of claim 5 further comprising:

an erasing period when a ramp voltage pulse whose polarity differs from polarity of the sustaining pulse is applied to an electrode, which differs from an electrode where the last pulse of the sustaining pulse is applied,

wherein a slope of the ramp voltage pulse in the erasing period ranges from 0.5 V/µs to 20 V/µs.